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Trusted, innovative, and calibrated, 'Chemistry' has helped millions of students understand and succeed in general chemistry. Its unrivaled problems, scientific accuracy, and clarity are maintained in this new edition, which is the book's biggest revision to date. Trusted, innovative, and calibrated, Chemistry: The Central Science has helped millions of students understand and succeed in general chemistry. Its unrivaled problems, scientific accuracy, and clarity are maintained in this new edition, which is the book's biggest revision to date. In the Twelfth Edition, every word and piece of art has been studied for effectiveness. Based on feedback from students like you, this revision reflects the unparalleled expertise of its author team; each chapter has been updated and streamlined to remove any content not proven to increase student comprehension. Joined in this edition by new co-author Patrick Woodward, the book's solid authorship gains a fresh, new perspective yet maintains its unified, consistent voice. This edition features the exact same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books à la Carte also offer a great value—this format costs 35% less than a new textbook. NOTE: This edition features the same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value; this format costs significantly less than a new textbook. Before purchasing, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of MyLab(tm)and Mastering(tm) platforms exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a Course ID, provided by your instructor, to register for and use MyLab and Mastering products. For courses in two-semester general chemistry. Accurate, data-driven authorship with expanded interactivity leads to greater student engagement Unrivaled problem sets, notable scientific accuracy and currency, and remarkable clarity have made Chemistry: The Central Science the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and leads to greater student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning teachers. In this new edition, the author team draws on the wealth of student data in Mastering(tm)Chemistry to identify where students struggle and strives to perfect the clarity and effectiveness of the text, the art, and the exercises while addressing student misconceptions and encouraging thinking about the practical, real-world use of chemistry. New levels of student interactivity and engagement are made possible through the enhanced eText 2.0 and Mastering Chemistry, providing seamlessly integrated videos and personalized learning throughout the course . Also available with Mastering Chemistry Mastering(tm) Chemistry is the leading online homework, tutorial, and engagement system, designed to improve results by engaging students with vetted content. The enhanced eText 2.0 and Mastering Chemistry work with the book to provide seamless and tightly integrated videos and other rich

media and assessment throughout the course. Instructors can assign interactive media before class to engage students and ensure they arrive ready to learn. Students further master concepts through book-specific Mastering Chemistry assignments, which provide hints and answer-specific feedback that build problem-solving skills. With Learning Catalytics(tm) instructors can expand on key concepts and encourage student engagement during lecture through questions answered individually or in pairs and groups. Mastering Chemistry now provides students with the new General Chemistry Primer for remediation of chemistry and math skills needed in the general chemistry course. If you would like to purchase both the loose-leaf version of the text and MyLab and Mastering, search for: 0134557328 / 9780134557328 Chemistry: The Central Science, Books a la Carte Plus MasteringChemistry with Pearson eText -- Access Card Package Package consists of: 0134294165 / 9780134294162 MasteringChemistry with Pearson eText - ValuePack Access Card -- for Chemistry: The Central Science 0134555635 / 9780134555638 Chemistry: The Central Science, Books a la Carte Edition NOTE: Before purchasing, check with your instructor to ensure you select the correct ISBN. Several versions of the MyLab(tm) and Mastering(tm) platforms exist for each title, and registrations are not transferable. To register for and use MyLab or Mastering, you may also need a Course ID, which your instructor will provide. Used books, rentals, and purchases made outside of Pearson If purchasing or renting from companies other than Pearson, the access codes for the Mastering platform may not be included, may be incorrect, or may be previously redeemed. Check with the seller before completing your purchase. DIGITAL UPDATE available for Fall 2020 classes The Pearson eText and Mastering have been updated to provide new author-written content that coaches students through complex concepts and problem solving. For courses in two-semester general chemistry. A robust digital experience built for student success in general chemistry Chemistry: The Central Science approaches general chemistry with unrivaled problem sets, notable scientific accuracy and currency, and remarkable clarity. The dynamic author team builds on their expertise and experience as leading researchers and award-winning teachers to help students develop conceptual understanding and to think about the practical, real-world use of chemistry. Data-driven problem and question revisions by the authors incorporate educational research, teacher preferences, and data from thousands of student users. Personalize learning with Mastering Chemistry By combining trusted author content with digital tools and a flexible platform, Mastering personalizes the learning experience and improves results for each student. Mastering Chemistry provides an extension of learning, allowing students a platform to practice, learn, and apply knowledge outside of the classroom. 0134292812 / 9780134292816 Chemistry: The Central Science Plus Mastering Chemistry with eText -- Access Card Package Package consists of: 0134294165 / 9780134294162 Mastering Chemistry with Pearson eText -- ValuePack Access Card -- for Chemistry: The Central Science 0134414233 / 9780134414232 Chemistry: The Central Science "Publishing the fifteenth edition of this text bespeaks an exceptionally long record of successful textbook writing. We are appreciative of the loyalty and support the book has received over the years, and we are mindful of our obligation to justify each new edition. We begin our approach to each new edition with an intensive author retreat in which we ask ourselves the deep questions that we must answer before we can move forward. What justifies yet another edition? What is changing in the world not only of chemistry, but with respect to science education and the qualities of the students we serve? How can we help your students not only learn the principles of chemistry, but also become critical thinkers who can think more like chemists? The answers lie only partly in the changing face of chemistry itself. The introduction of many new technologies has changed the landscape in the teaching of sciences at all levels. The use of online resources in accessing information and presenting learning materials has markedly changed the role of the textbook as one element among many tools for student learning. Our challenge as authors is to maintain the text as the primary source of chemical knowledge and practice, while at the same time integrating it with the new avenues for learning made possible by technology. This book incorporates a number of technologies to

improve pedagogy, including use of computer-based classroom tools, such as Mastering Chemistry, which is continually evolving to provide more effective means of testing and evaluating student performance, while giving the student immediate and helpful feedback. Video feedback for a select number of Exam Prep questions is also available in Mastering Chemistry, which is new to this edition"-- Limited and persecuted by racial divides in 1962 Jackson, Mississippi, three women, including an African-American maid, her sassy and chronically unemployed friend and a recently graduated white woman, team up for a clandestine project against a backdrop of the budding civil rights era. Includes reading-group guide. Reissue. A #1 best-selling novel. A delight for readers of *Where'd You Go, Bernadette*, this blockbuster debut set in 1960s California features the singular voice of Elizabeth Zott, a scientist whose career takes a detour when she becomes the star of a beloved TV cooking show. Elizabeth Zott is not your average woman. In fact Elizabeth Zott would be the first to point out that there is no such thing as an average woman. But it's the 1960s and despite the fact that she is a scientist, her peers are very unscientific when it comes to equality. The only good thing to happen to her on the road to professional fulfillment is a run-in with her super-star colleague Calvin Evans (well, she stole his beakers). The only man who ever treated her—and her ideas—as equal, Calvin is already a legend and Nobel nominee. He's also awkward, kind and tenacious. Theirs is true chemistry. But as events are never as predictable as chemical reactions, three years later Elizabeth Zott is an unwed, single mother (did we mention it's the early 60s?) and the star of America's most beloved cooking show *Supper at Six*. Elizabeth's singular approach to cooking ("take one pint of H₂O and add a pinch of sodium chloride") and independent example are proving revolutionary. Because Elizabeth isn't just teaching women how to cook, she's teaching them how to change the status quo. Laugh-out-loud funny, shrewdly observant and studded with a dazzling cast of supporting characters (including the best canine character in years), *Lessons in Chemistry* is as original and vibrant as its protagonist. For courses in two-semester general chemistry. Accurate, data-driven authorship with expanded interactivity leads to greater student engagement Unrivaled problem sets, notable scientific accuracy and currency, and remarkable clarity have made *Chemistry: The Central Science* the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and leads to greater student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning teachers. Pearson Mastering Chemistry is not included. Students, if Mastering is a recommended/mandatory component of the course, please ask your instructor for the correct ISBN and course ID. Mastering should only be purchased when required by an instructor. Instructors, contact your Pearson rep for more information. Mastering is an online homework, tutorial, and assessment product designed to personalize learning and improve results. With a wide range of interactive, engaging, and assignable activities, students are encouraged to actively learn and retain tough course concepts. Answers to the odd numbered topical exercises plus selected general exercises, about 1100 in all, are provided ... --Introduction. The Instant New York Times Bestseller and TikTok Sensation! As seen on THE VIEW! A BuzzFeed Best Summer Read of 2021 When a fake relationship between scientists meets the irresistible force of attraction, it throws one woman's carefully calculated theories on love into chaos. As a third-year Ph.D. candidate, Olive Smith doesn't believe in lasting romantic relationships--but her best friend does, and that's what got her into this situation. Convincing Anh that Olive is dating and well on her way to a happily ever after was always going to take more than hand-wavy Jedi mind tricks: Scientists require proof. So, like any self-respecting biologist, Olive panics and kisses the first man she sees. That man is none other than Adam Carlsen, a young hotshot professor--and well-known ass. Which is why Olive is positively floored when Stanford's reigning lab tyrant agrees to keep her charade a secret and be her fake boyfriend. But when a big science conference goes haywire, putting Olive's career on the Bunsen burner, Adam surprises her again with his unyielding support and even more unyielding...six-pack abs. Suddenly their little experiment feels dangerously close to combustion. And Olive discovers that the only thing more complicated than a hypothesis on love is putting her own heart under the microscope. ALERT: Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products.

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Unlike many texts on this subject, it is clear and concise, punctuated with practical and familiar examples from students' personal experiences. An exceptional balance of chemical concepts explains the quantitative aspects of chemistry, and provides deeper insight into theoretical chemical principles. It also sets itself apart by requiring students to master concepts before they can move on to the next chapter. The Seventh Edition focuses on making connections between General, Organic, and Biological Chemistry with a number of new and updated features-including all-new Mastering Reactions boxes, new and updated Chemistry in Action boxes (formerly titled Applications), new and revised chapter problems that strengthen the ties between major concepts in each chapter and practical applications, and much more. 032175011X / 9780321750112 Fundamentals of General, Organic, and Biological Chemistry with MasteringChemistry® Package consists of: 0321750837 / 9780321750839 Fundamentals of General, Organic, and Biological Chemistry 0321776461 / 9780321776464 MasteringChemistry® with Pearson eText -- Access Card -- for Fundamentals of General, Organic, and Biological Chemistry Prepared by Roxy Wilson of University of Illinois - Urbana-Champaign. Full solutions to all of the red-numbered exercises in the text are provided. (Short answers to red exercises are found in the appendix of the text). The trusted, innovative, calibrated leader--now tightly-integrated with MasteringChemistry® . Unrivaled problems, notable scientific accuracy and currency, and remarkable clarity have made *Chemistry: The Central Science* the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning professors. The new Thirteenth Edition builds on the Twelfth Edition's major revision, in which every word and piece of art was scrutinized by all the authors to increase its effectiveness. Placing a greater emphasis on research, this edition is more tightly integrated with MasteringChemistry, the leading online homework, tutorial, and assessment program— resulting in an unparalleled teaching and learning package that personalizes learning and coaches students toward understanding and mastery of tough chemistry topics. This program presents a better teaching and learning experience—for you and your students. It provides: Superior support beyond the classroom with MasteringChemistry: Students benefit from personalized, interactive learning through MasteringChemistry's self-paced tutorials that guide them through the text's most challenging topics; provide immediate, specific feedback; and keep students engaged and on track. Enhanced learning from a dynamic author team of leading researchers and award-winning professors: Each member of this well-respected author team brings their expertise in a wide range of areas to the pages of this popular text. All authors have been active researchers and have taught general chemistry for many years. Improved conceptual understanding through stepped up, relevant pedagogy: Students get numerous opportunities to test their knowledge through Give It Some Thought (GIST) exercises, Go Figure questions, and A Closer Look essays, now integrated with clicker questions and in MasteringChemistry. Invaluable aids that ensure problem-solving success: By using a consistent process, a unique Analyze/Plan/Solve/Check format, dual-column problem-solving approach in certain areas, a new practice exercise following each worked example, and the Strategies in Chemistry feature, students are placed on the right path from the very start to excel at problem solving and comprehension. Clarity through visualization from a variety of perspectives, including macroscopic, microscopic, and symbolic: Included are Visualizing Concepts exercises, with models, graphs, and other visual materials; sample exercises with molecular illustrations; and conceptual questions in the end-of-chapter questions. Note: You are purchasing a standalone product; MasteringChemistry does not come packaged with this content. If you would like to purchase both the

physical text and MasteringChemistry search for ISBN-10: 0321864409/ISBN-13: 9780321864406. That package includes ISBN-10: 0321910419/ISBN-13: 9780321910417 and ISBN-10: 0321934245/ISBN-13: 9780321934246. MasteringChemistry is not a self-paced technology and should only be purchased when required by an instructor. The first IUPAC Manual of Symbols and Terminology for Physicochemical Quantities and Units (the Green Book) of which this is the direct successor, was published in 1969, with the object of 'securing clarity and precision, and wider agreement in the use of symbols, by chemists in different countries, among physicists, chemists and engineers, and by editors of scientific journals'. Subsequent revisions have taken account of many developments in the field, culminating in the major extension and revision represented by the 1988 edition under the simplified title Quantities, Units and Symbols in Physical Chemistry. This 2007, Third Edition, is a further revision of the material which reflects the experience of the contributors with the previous editions. The book has been systematically brought up to date and new sections have been added. It strives to improve the exchange of scientific information among the readers in different disciplines and across different nations. In a rapidly expanding volume of scientific literature where each discipline has a tendency to retreat into its own jargon this book attempts to provide a readable compilation of widely used terms and symbols from many sources together with brief understandable definitions. This is the definitive guide for scientists and organizations working across a multitude of disciplines requiring internationally approved nomenclature. 0134024516 / 9780134024516 Chemistry: The Central Science, Books a la Carte Edition & Solutions to Red Exercises for Chemistry & Mastering Chemistry with Pearson eText -- Access Card Package Package consists of: 0321934202 / 9780321934208 Chemistry: The Central Science, Books a la Carte Edition 0321934245 / 9780321934246 Mastering Chemistry with Pearson eText -- ValuePack Access Card -- for Chemistry: The Central Science 0321949269 / 9780321949264 Solutions to Red Exercises for Chemistry: The Central Science Full solutions to all end-of-chapter exercises in the text are provided. With an instructor's permission, this manual may be made available to students. &>NOTE: This edition features the exact same content as the traditional text in a convenient, three-hole-punched, loose-leaf version. Books a la Carte also offer a great value for your students-this format costs 35% less than a new textbook. Before you purchase, check with your instructor or review your course syllabus to ensure that you select the correct ISBN. Several versions of Pearson's MyLab & Mastering products exist for each title, including customized versions for individual schools, and registrations are not transferable. In addition, you may need a CourseID, provided by your instructor, to register for and use Pearson's MyLab & Mastering products. xxxxxxxxxxxxxxxxxxxxxx Unrivaled problems, notable scientific accuracy and currency, and remarkable clarity have made Chemistry: The Central Science the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning professors. 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Enhanced learning from a dynamic author team of leading researchers and award-winning professors: Each member of this well-respected author team brings their expertise in a wide range of areas to the pages of this popular text. All authors have been active researchers and have taught general chemistry for many years. Improved conceptual understanding through stepped up, relevant pedagogy: Students get numerous opportunities to test their knowledge through Give It Some Thought (GIST) exercises, Go Figure questions, and A Closer Look essays, now integrated with clicker questions and in MasteringChemistry. Invaluable aids that ensure problem-solving success: By using a consistent process, a unique Analyze/Plan/Solve/Check format, dual-column problem-solving approach in certain areas, a new practice exercise following each

worked example, and the Strategies in Chemistry feature, students are placed on the right path from the very start to excel at problem solving and comprehension. Clarity through visualization from a variety of perspectives, including macroscopic, microscopic, and symbolic: Included are Visualizing Concepts exercises, with models, graphs, and other visual materials; sample exercises with molecular illustrations; and conceptual questions in the end-of-chapter questions. The acknowledged leader and standard in general chemistry, this book maintains its effective and proven features—clarity of writing, scientific integrity, currency, strong exercises, visual emphasis and consistency in presentation. It offers readers an integrated educational solution to the challenges of the learning with an expanded media program that works in concert with the book, helping them to approach problem solving, visualization, and applications with greater success. Chapter topics cover: Matter and Measurement; Atoms, Molecules, and Ions; Stoichiometry: Calculations with Chemical Formulas and Equations; Aqueous Reactions and Solution Stoichiometry; Thermochemistry; Electronic Structure of Atoms; Periodic Properties of the Elements; Basic Concepts of Chemical Bonding; Molecular Geometry and Bonding Theories; Gases; Intermolecular Forces, Liquids, and Solids; Modern Materials; Properties of Solutions; Chemical Kinetics; Chemical Equilibrium; Acid-Base Equilibria; Additional Aspects of Equilibria; Chemistry of the Environment; Chemical Thermodynamics; Electrochemistry; Nuclear Chemistry; Chemistry of the Nonmetals; Metals and Metallurgy; Chemistry of Coordination Compounds; and The Chemistry of Life: Organic and Biological Chemistry. For individuals interested in the study of general chemistry. Prepared by John H. Nelson and Kenneth C. Kemp, both of the University of Nevada. This manual contains 43 finely tuned experiments chosen to introduce students to basic lab techniques and to illustrate core chemical principles. You can also customize these labs through Catalyst, our custom database program. For more information, visit <http://www.pearsoncustom.com/custom-library/catalyst> In the Thirteenth Edition, all experiments were carefully edited for accuracy and safety. Pre-labs and questions were revised and several experiments were added or changed. Two of the new experiments have been added to Chapter 11. The trusted, innovative, calibrated leader Unrivaled problems, notable scientific accuracy and currency, and remarkable clarity have made Chemistry: The Central Science the leading general chemistry text for more than a decade. Trusted, innovative, and calibrated, the text increases conceptual understanding and student success in general chemistry by building on the expertise of the dynamic author team of leading researchers and award-winning professors. 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Improved conceptual understanding through stepped up, relevant pedagogy: Students get numerous opportunities to test their knowledge through Give It Some Thought (GIST) exercises, Go Figure questions, and A Closer Look essays, now integrated with clicker questions and in MasteringChemistry. Invaluable aids that ensure problem-solving success: By using a consistent process, a unique Analyze/Plan/Solve/Check format, dual-column problem-solving approach in certain areas, a new practice exercise following each worked example, and the Strategies in Chemistry feature, students are placed on the right path from the very start to excel at problem solving and comprehension. Clarity through visualization from a variety of perspectives, including macroscopic, microscopic, and symbolic: Included are Visualizing Concepts exercises, with models, graphs, and other visual materials; sample exercises with molecular illustrations; and conceptual questions in the end-of-chapter questions. 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opportunity for students to develop the necessary knowledge, tools, and skills to make informed decisions as they continue with their lives. Rather than being mired down with facts and vocabulary, the typical non-science major student needs information presented in a way that is easy to read and understand. Even more importantly, the content should be meaningful. Students do much better when they understand why biology is relevant to their everyday lives. For these reasons, Concepts of Biology is grounded on an evolutionary basis and includes exciting features that highlight careers in the biological sciences and everyday applications of the concepts at hand. We also strive to show the interconnectedness of topics within this extremely broad discipline. In order to meet the needs of today's instructors and students, we maintain the overall organization and coverage found in most syllabi for this course. A strength of Concepts of Biology is that instructors can customize the book, adapting it to the approach that works best in their classroom. Concepts of Biology also includes an innovative art program that incorporates critical thinking and clicker questions to help students understand--and apply--key concepts. Introductory Statistics is designed for the one-semester, introduction to statistics course and is geared toward students majoring in fields other than math or engineering. This text assumes students have been exposed to intermediate algebra, and it focuses on the applications of statistical knowledge rather than the theory behind it. The foundation of this textbook is Collaborative Statistics, by Barbara Illowsky and Susan Dean. Additional topics, examples, and ample opportunities for practice have been added to each chapter. The development choices for this textbook were made with the guidance of many faculty members who are deeply involved in teaching this course. These choices led to innovations in art, terminology, and practical applications, all with a goal of increasing relevance and accessibility for students. We strove to make the discipline meaningful, so that students can draw from it a working knowledge that will enrich their future studies and help them make sense of the world around them. Coverage and Scope Chapter 1 Sampling and Data Chapter 2 Descriptive Statistics Chapter 3 Probability Topics Chapter 4 Discrete Random Variables Chapter 5 Continuous Random Variables Chapter 6 The Normal Distribution Chapter 7 The Central Limit Theorem Chapter 8 Confidence Intervals Chapter 9 Hypothesis Testing with One Sample Chapter 10 Hypothesis Testing with Two Samples Chapter 11 The Chi-Square Distribution Chapter 12 Linear Regression and Correlation Chapter 13 F Distribution and One-Way ANOVA

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